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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/964,810	09/28/2001	Christopher N. Olsen	219.40419X00	2878
20457	7590 04/24/2003			
ANTONELLI TERRY STOUT AND KRAUS			EXAMINER	
	SEVENTEENTH STRE	ARBES, CARL J		
, ARLINGTON	VA 22209		ART UNIT	PAPER NUMBER
			3729	
			DATE MAILED: 04/24/2003	U

Please find below and/or attached an Office communication concerning this application or proceeding.

*				
	Application No.	Applicant(s)	CA	
	09/964,810	OLSEN, CHRISTO	OLSEN, CHRISTOPHER N.	
Offic Action Summary	Examiner	Art Unit		
	C. J. Arbes	3729		
The MAILING DATE of this communication ap Period for Reply	pears on the cover she	t with the correspondence add	1ress	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a report of the period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statuted the period for reply will be period for reply will, by statuted the period for reply will be period for reply w	.136(a). In no event, however, ma ply within the statutory minimum of d will apply and will expire SIX (6) I te. cause the application to becom	y a reply be timely filed f thirty (30) days will be considered timely, MONTHS from the mailing date of this content of the c	mmunication.	
Status	Santambar 2001			
1) Responsive to communication(s) filed on <u>28</u>	This action is non-final.			
,=		matters prosecution as to the	a marite is	
 Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims 			, mento io	
4) Claim(s) 1-23 is/are pending in the application	n.			
4a) Of the above claim(s) is/are withdra	awn from consideration.			
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-23</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction and/	or election requirement.			
Application Papers				
9) The specification is objected to by the Examine				
10) The drawing(s) filed on is/are: a) acce				
Applicant may not request that any objection to the			_	
11) The proposed drawing correction filed on		_ disapproved by the Examine	УГ.	
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.				
Priority under 35 U.S.C. §§ 119 and 120	Adminor.			
13) Acknowledgment is made of a claim for foreign	an priority under 35 H S	C & 119(a)-(d) or (f)		
a) All b) Some * c) None of:	jii priority under 55 0.5.	O. 9 119(a)-(d) of (i).		
1. Certified copies of the priority documen	ats have been received			
Certified copies of the priority document Certified copies of the priority document		n Application No		
3. Copies of the certified copies of the price			Stage	
application from the International Bi * See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a	1)).	21292	
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).				
 a) The translation of the foreign language pr 15) Acknowledgment is made of a claim for domes 				
Attachment(s)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) Notice	iew Summary (PTO-413) Paper No(e e of Informal Patent Application (PTC :		

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to no-statutory subject matter.

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Claims 1-23 are rejected under 35 U.S.C. 101 because

Each of the claims recite merely mental function as opposed to manipulative steps.

Applicant expressty state in Claim 8 that the Group (Claims 8-15) is a method of

designing a circuit board. It is believe and therefore held that the law as now

interpreted is such that each of Claims 1-23 is not valid because these claims are drawn

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-23, assuming these claims are statutory, are further rejected under 35 U.S.C. 103(a) as being unpatentable over Japan Pat. No. 07-245575 by Takeshi; hereinafter '575...

The '575 teaches parallel transmission lines for plural signals wherein a first plurality of conductive paths are in a first plane and are arranged in a first orientation and a second plurality of conductive paths are in a second plane and are arranged in a second orientation so as to minimize or reduce crosstalk. The parallel wires of the first plane are connected to the parallel wires of the second plane by means of through-holes. If in fact the '575 fails to teach ... analyzing characteristics of signals... (which it is believed that the Japanese Reference does teach) then it is held to have been obvious for an artisan to perform this step which would allow the minimization of crosstalk between the parallel conductors or paths. Alternatively the "analyzing" step is held to be unclear,

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vague and indefinite and without significance. It is not a positive or manipulative recitation in the same sense that "rearranging said pattern of conductive paths (Cf Claims 8 and 16) is

Claims 1-23, assuming these Claims are statutory, are further rejected under 35 U.S.C. 103(a) as being unpatentable over Japan Pat No. 2000-244133, by Masano et al, hereinafter '133..

The '133 teaches a multiplayer wiring board having pluralities of conductive paths. A second group of parallel conductive paths is placed normal (90 degrees) to a first group of parallel conductive paths, a third group of parallel conductive paths is placed 30-60 degrees to the first group of conductive paths and a fourth group of parallel conductive paths is placed normal to the third group. The parallel groups are connected by means of through conductors. If in fact the '133 fails to teach...analyzing characteristics of signals...(which it is believed that the Japanese Reference does teach) then it is held to have been obvious for an artisan to perform this step which would allow the minimization of crosstalk between the parallel conductors or paths.

Any inquiry concerning this communication should be directed to C. J. Arbes at telephone number (703)308-1857.

CARL J. ARBES
PRIMARY EXAMINER